Seattle Fire Department Permit Application

Annual Land-based Hot Work

Level I
--Revised 1/2005--

- ☐ **Code: 4911 (1-3 units)** **Fee: $266.00**
- ☐ **Code: 4912 (4 or more units)** **Fee: $532.00**

TO BE COMPLETED BY PERMIT APPLICANT (PLEASE PRINT)

FIRM NAME		
MAILING ADDRESS		SUITE
CITY	STATE	ZIP
OPERATION ADDRESS		
CONTACT PERSON	PHONE NUMBER ( )	

Please include a check made payable to the CITY OF SEATTLE with this application.

Permit applications may be submitted in person weekdays from 8:00 a.m. to 4:30 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office--Permits
220 Third Avenue South, Second Floor
Seattle, WA 98104-2608

Permit processing: (206) 386-1025
www.seattle.gov/fire

TO BE COMPLETED BY INSPECTING ENGINE/LADDER COMPANY:

NO. OF UNITS /TYPE OF PROCESS/GAS	CYLINDERS/SPARE CYLINDERS	LOCATION
Examples: Oxyfuel-gas process (acetylene, propane etc.) Process using electricity (Arc Welding - Argon)	(e.g., 3 cyl. each of Oxy/Acet, no spares) (e.g., for 1 unit: 1 cyl. of Argon, 1 spare)	(e.g., NW Corner of Warehouse)

☐ Permit Conditions Approved

Inspected By:	C/P/O:	SFD ID#:
Station No.	Occ. No.:	Date:

Special Permit Conditions: (continue on back if necessary)

FMO OFFICE USE ONLY:

Date Received:	Receipt No.:	Check No.:
Expiration Date with Existing Permits:		Application ID#

☐ Cancel with full refund ☐ Cancel, no refund ☐ Moved ☐ No Longer Needs ☐ Out of Business

PERMIT CONDITIONS:

All of the following conditions must be met prior to the issuance of a permit.

1. Management shall designate a facility employee to be the "responsible person" who shall be responsible for overseeing the onsite hot workers to ensure that required hot work safety measures are taken to prevent fires and fire spread. (2003 SFC 2602.1)

2. The "responsible person" shall be trained in the safety and fire safety considerations concerned with hot work.

3. The "responsible person" shall survey hot work areas and conduct a pre-hot-work check prior to commencement of hot work. (2003 SFC 2604.3.1)

4. The required pre-hot-work check shall determine compliance with, all of the following:
    - Hot work equipment to be used shall be in satisfactory operating condition and in good repair.
    - Hot work site is clear of combustibles or combustibles are protected.
    - Exposed construction is of noncombustible materials or, if combustible, then protected.
    - Openings are protected.
    - Floors are kept clean.
    - No exposed combustibles are located on the opposite side of partition, walls, ceilings or floors.
    - Fire watches, where required, are assigned.
    - Approved actions have been taken to prevent accidental activation of suppression and detection equipment.
    - Fire extinguishers and fire hoses (where provided) are operable and available. (2003 SFC 2604.3.1)

5. The hot work area shall be inspected by the "responsible person" at least once a day to ensure that the area remains fire-safe. (2003 SFC 2604.3)

6. A fire watch shall be provided during hot work activities and shall continue for a minimum of 30 minutes after the conclusion of the work. The fire code official, or the "responsible person" is authorized to extend the fire watch based on the hazards or work being performed. (2003 SFC 2604.2.1)

7. The fire watch shall be positioned so that the extinguishment of a spot fire is not delayed. Hot work conducted in areas with vertical or horizontal fire exposures that are not observable by a single individual shall have additional personnel assigned to fire watches to ensure that exposed areas are monitored. (2003 SFC 2604.2.2)

8. Individuals designated to fire watch shall have no other duties except to watch for fire, extinguish spot fires and communicate an alarm. (2003 SFC 2604.2.3)

9. The individuals responsible for performing the hot work and individuals responsible for providing the fire watch shall have fire-extinguishing equipment readily available and shall be trained in the use of such equipment. (2003 SFC 2604.2.4)

10. A minimum of one portable fire extinguisher having a minimum 2-A: 40-B:C rating and where required by the fire code official, a charged water hose equipped with a nozzle, shall be readily accessible within 30 feet of the location where hot work is performed. (2003 SFC 2604.2.6)

11. Hot work shall not be performed on containers or equipment that contains or has contained flammable liquids, gases or solids until the containers and equipment have been thoroughly cleaned, inerted or purged and certified safe for hot work by a marine chemist.

    Exception: Hot tapping shall be allowed on tanks and pipelines when such work is to be conducted by personnel specifically approved by the fire code official. (2003 SFC 2604.1.7, 105.3)

    Marine chemist's certificates where required, shall be posted in a conspicuous location and maintained current. (2003 SFC 105.3)

12. Areas where hot work are conducted shall not contain combustibles or shall be provided with appropriate shielding to prevent sparks, slag or heat from igniting exposed combustibles. (2003 SFC 2604.1.1)

13. Openings or cracks in walls, floors, ducts or shafts within the area where cutting and welding is to be performed shall be tightly covered to prevent the passage of sparks to adjacent combustible areas, or shielding by metal or fire-resistant guards or curtains shall be provided. (2003 SFC 2604.1.2)

14. Floors shall be kept clean within the hot-work area. (2003 SFC 2604.1.3)

15. Oxygen and fuel gas used for hot work shall be limited inside F and S occupancies in accordance with the following:

Type of Gas	Maximum Aggregate Quantity
Acetylene and other nonliquefied fuel gases	1,000 cu. feet in unsprinklered buildings 2,000 cu. feet in sprinklered buildings
LPG and other liquefied fuel gases	735 lbs. water capacity (300 lbs. LPG)
Compressed oxygen	1,500 cu. feet in unsprinklered buildings 3,000 cu. feet in sprinklered buildings
Liquid oxygen (LOX)	45 gallons in unsprinklered buildings 90 gallons in sprinklered buildings

16. Flammable and combustible liquid storage and dispensing shall be separated from hot work operations by a minimum of 50 feet. (2003 SFC 105.3)

17. Cylinders, valves, regulator, hose and other apparatus and fittings for oxygen shall be kept free from oil or grease. Oxygen cylinders, apparatus and fittings shall not be handled with oily hands, oily gloves, or greasy tools or equipment. (2003 SFC 2605.3)

18. Fuel gas cylinders shall be separated from compressed oxygen cylinders and liquid oxygen containers by a minimum of 20 feet or by a barrier of noncombustible construction at least five feet high giving a fire-resistive rating of a least ½ hour. The barrier shall interrupt all lines of sight between oxygen and fuel gas cylinders within 20 feet of each other. (2003 SFC 2605.4.4)

19. When the hot-work area is accessible to persons other than the operator of the equipment, conspicuous signs shall be posted to warn others before they enter the hot-work area. (2003 SFC 2603.6)
    Such signs shall display the following warning: **CAUTION—HOT WORK IN PROGRESS—STAY CLEAR**

ELECTRIC ARC HOT WORK

1. The frame or case of electric hot work machines, except internal-combustion-engine-driven machines, shall be adequately grounded. (2003 SFC 2606.1)

2. Welding return currents from the work to the machine shall have proper electric contact at joints. The electric contact shall be periodically inspected. (2003 SFC 2606.2)

3. Electrodes (i.e. welding rods) shall be removed from the holders when electric arc hot work is discontinued for any period of 1 hour or more. The holders shall be located to prevent accidental contact and the machines shall be disconnected from the power source. (2003 SFC 2606.3)

4. A switch or circuit breaker shall be provided so that fixed electric welders and control equipment can be disconnected from the supply circuit. The switch or circuit breaker shall be marked EMERGENCY DISCONNECT and shall be visible from the equipment. (2003 SFC 2606.4)

5. Damaged cables shall be removed from service until it has been properly repaired or replaced. (2003 SFC 2606.5)